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A COMPREHENSIVE REVIEW ON AI BASED FARMING ROBOT

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Abstract

The integration of technology and automation with traditional farming methods heralds a transformative era for modern agriculture. The spirit of this agricultural revolution is embodied in this project, Design & Development of an Integrated Farming System for Seed Sowing, Pesticide Application, and Seed Replantation with Post-Sowing Assessment. This concept offers a novel solution to the urgent need for more food production in the world while also addressing environmental sustainability. The technology being developed aims to provide a comprehensive solution, with the goal of revolutionizing traditional farming. This project is much more important than just automation. From resource conservation and environmental preservation to economic viability and food security, it tackles important issues in agriculture. Through increased productivity and sustainability, this integrated farming system has the potential to completely transform the agricultural landscape and usher in a more promising and secure future for the world's food production. An overview of the project's main goals and how it can change agriculture in the future can be found in this paper.

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